

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 03/25/2022 09:04 AM
Cytometer Baseline: 01/20/2022 09:34 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 32272 **Expiration Date:** 09/30/2022
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125081	0	1.59	125039	1.59
Blue	F	SSC	125000	123641	-2	3.08	124190	2.99
Blue	E	FITC	13602	13171	-4	2.39	370	13.27
Blue	D	PE	24891	24542	-2	1.82	584	10.25
Blue	B	PerCP-Cy5-5	33972	32972	-3	3.04	941	14.76
Blue	A	PE-Cy7	22865	22668	-1	5.05	473	29.83
Red	C	APC	47198	46350	-2	2.62	1601	11.31
Red	A	APC-Cy7	26454	25605	-4	3.23	728	12.19
Violet	B	V450	6737	6457	-5	3.87	453	11.48
Violet	A	V500	29317	27940	-5	3.41	958	8.54

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24213	2.74	536	1	N/A	N/A	Pass
Blue	F	SSC	55703	2.14	517	-4	N/A	N/A	Pass
Blue	E	FITC	56	53.22	485	1	0.0450	105	Pass
Blue	D	PE	113	37.53	488	2	0.4194	287	Pass
Blue	B	PerCP-Cy5-5	148	41.74	581	2	0.0205	97	Pass
Blue	A	PE-Cy7	79	78.17	624	3	0.0235	3	Pass
Red	C	APC	334	25.43	572	0	0.0291	178	Pass
Red	A	APC-Cy7	134	35.04	549	-2	0.0066	1475	Pass
Violet	B	V450	77	46.21	452	2	0.0544	2087	Pass
Violet	A	V500	112	29.12	471	2	0.0232	392	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.49	-31.43	1.00
Blue	20.36	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	15.91	13.90 - 20.86	N/A	N/A	29.89	30.01	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 12276

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments